



NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/C1

Date: 29-01-2024

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Gopireddy.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	179 min	Shall not be less than 30 min
2	Final setting time	262 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.04 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	1.82 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.87 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
7th Main Rd, Sub Line

A.E.E.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಉ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-108





NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/FA1

Date: 29-01-2024

1. TESTING OF FINE AGGREGATES:

Sub: Testing of Fine Aggregates.

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PACKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

TABLE - 1.1 : SIEVE ANALYSIS:

1.1: SIEVE ANALYSIS:					
IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -II	
04.75	97.10	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	84.50	60-95	75-100	85-100	
01.18	70.80	30-70	55-90	75-100	
600. mic	42.40	15.34	35-59	60-79	
300.mic	23.90	5-20	8-30	12-40	
150.mic	6.30	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	19.40 %	-----
2	Silt Content	----	0.68 %	Not more than 8%
3	Specific Gravity	----	2.61	-----

The result of the materials tested meets the standards and hence can be used for the work.

7th Main Rd, Sub Line

A.E.E.





NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/CA1

Date: 29-01-2024

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	98.30	85-100	90 - 100
10 mm	51.60	0 - 20	25 - 55
4.75 mm	7.20	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	24.10 %	Not to exceed 25 %
2.	Crushing value	28.05 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.

7th Main Rd, Sub Line

A.E.E.

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/DLC2

Date: 02-02-2024

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	56.30	0 -20	30- 70
10mm	24.00	0 -5	10- 35
4.75mm	3.70	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

FINE AGGREGATES						TABLE - SIEVE ANALYSIS:		
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks			
		Percentage Passing						
		Zone-I	Zone-II	Zone -III	The Sample Conforms to Grading Zone-II			
04.75	96.20	90-100	90-100	90-100				
02.36	79.70	60-95	75-100	85-100				
01.18	59.10	30-70	55-90	75-100				
600.mic	46.30	15-34	35-59	60-79				
300.mic	13.50	5-20	8-30	12-40				
150.mic	5.90	0-10	0-10	0-10				
The result of the materials tested meets the standards and hence can be used for the purpose.								
7th Main Rd, Sub Line								

The result of the materials tested meets the standards and hence can be used for the work.

7th Main Rd, Sub Line

A.E.E.

ಸಹಾಯಕ ಯೋಜನಾ ಅಭಿಯಂತರ
ಯುನೈಟೆಡ್ ನಗರಸಭೆ ಸರ್ವೆಕ್ಷನ್,
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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/CB1A

Date: 29-02-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PACKAGE NO -05).}

Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	01-02-24	29-02-24	28	22500	710	31.56	31.04
	002	"	"	"	"	690	30.67	
	003	"	"	"	"	695	30.89	

The result of the materials tested meets the standards and hence can be used for the work.
7th Main Rd, Sub Line

A.E.E.

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
೨೨.ಎಂ.ಓ. ಬೆಂಗಳೂರು-೧೦೮



NC/QC/AMG/2022-23/P5-4/CB2A

Date: 02-03-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	03-02-24	02-03-24	28	22500	720	32.00	31.70
	002	"	"	"	"	715	31.78	
	003	"	"	"	"	705	31.33	

The result of the materials tested meets the standards and hence can be used for the work.

Main Line

A.E.E.

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/CB3

Date: 10-02-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07 days Compressive Strength).

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	03-02-24	10-02-24	07	22500	490	21.78	21.63
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	485	21.56	

The result of the materials tested meets the standards and hence can be used for the work.

6th Cross Rd

A.E.E.

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ಯಲಹಂಕ ಸಾಟಲೈಟ್ ಉಪನಗರ ಉಪವಿಭಾಗ.
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NC/QC/AMG/2022-23/P5-4/CB3A

Date: 02-03-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PACKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

**RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE
CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	03-02-24	02-03-24	28	22500	730	32.44	32.22
	002	"	"	"	"	710	31.56	
	003	"	"	"	"	735	32.67	

The result of the materials tested meets the standards and hence can be used for the work.

(Signature)
A.E.E.

(Signature)
ಸಹಾಯಕ ಅಯುಸ್ಕಾರ್ ಆಫೀಸರ್
ಯುಪರಾಧಿ ಕಾರ್ಪೊರೇಷನ್
ಇ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-106





NC/QC/AMG/2022-23/P5-4/CB4

Date: 12-02-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07 days Compressive Strength).

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PACKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	05-02-24	12-02-24	07	22500	490	21.78	22.07
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.

6th Cross Rd

A.E.E.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿವೃದ್ಧಿ
ಯೋಜನೆ ಸುಪರಿನ್ಟೆಂಡೆಂಟ್,
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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/CB4A

Date: 04-03-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	05-02-24	04-03-24	28	22500	705	31.33	31.63
	002	"	"	"	"	700	31.11	
	003	"	"	"	"	730	32.44	

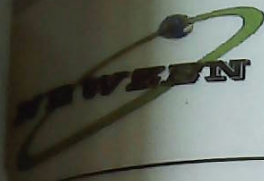
The result of the materials tested meets the standards and hence can be used for the work.

6th Cross Rd

A.E.E.

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ಯಲಹಂಕ ಸಾಟಲೈಟ್ ಉಪನಗರ ಉಪವಿಭಾಗ
೨೨.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-೧೦೬





NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/CB5

Date: 12-02-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

(Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

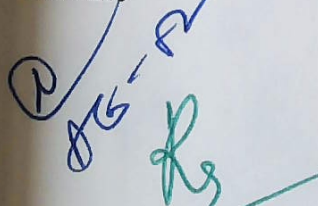
Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₃₀

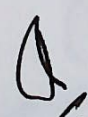
TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	05-02-24	12-02-24	07	22500	470	20.89	21.19
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	475	21.11	

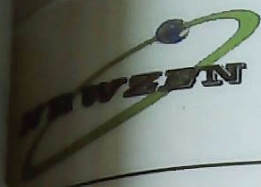
The result of the materials tested meets the standards and hence can be used for the work.

Main Line


A.E.E.


ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕರ ಉಪನಗರ ಉಪವಿಭಾಗ.
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NC/QC/AMG/2022-23/P5-4/CB5A

Date: 04-03-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28 days Compressive Strength).

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout,

Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	05-02-24	04-03-24	28	22500	710	31.56	31.85
	002	"	"	"	"	725	32.22	
	003	"	"	"	"	715	31.78	

The result of the materials tested meets the standards and hence can be used for the work.

Main Line

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A.E.E.

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯುಜಂಕರ ಉಪನಗರ ಉಪವಿಭಾಗ
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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5-4/CB6A

Date: 04-03-2024

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . Gopireddy.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	05-02-24	04-03-24	28	22500	715	31.78	31.04
	002	"	"	"	"	685	30.44	
	003	"	"	"	"	695	30.89	

The result of the materials tested meets the standards and hence can be used for the work.

5th Cross Rd

A.E.E.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಶವಂತ ಸುಪನಗರ ಉಪವಿಭಾಗ
ಉಪವಿ.ಸಿ. ಬೆಂಗಳೂರು-108

